US Army Corps
of Engineers®

US Army Corps of Engineers

Industry Forum

August 16-17, 2006

US Army Corps of Engineers®

Industry Forum Agenda
Wed. August 17

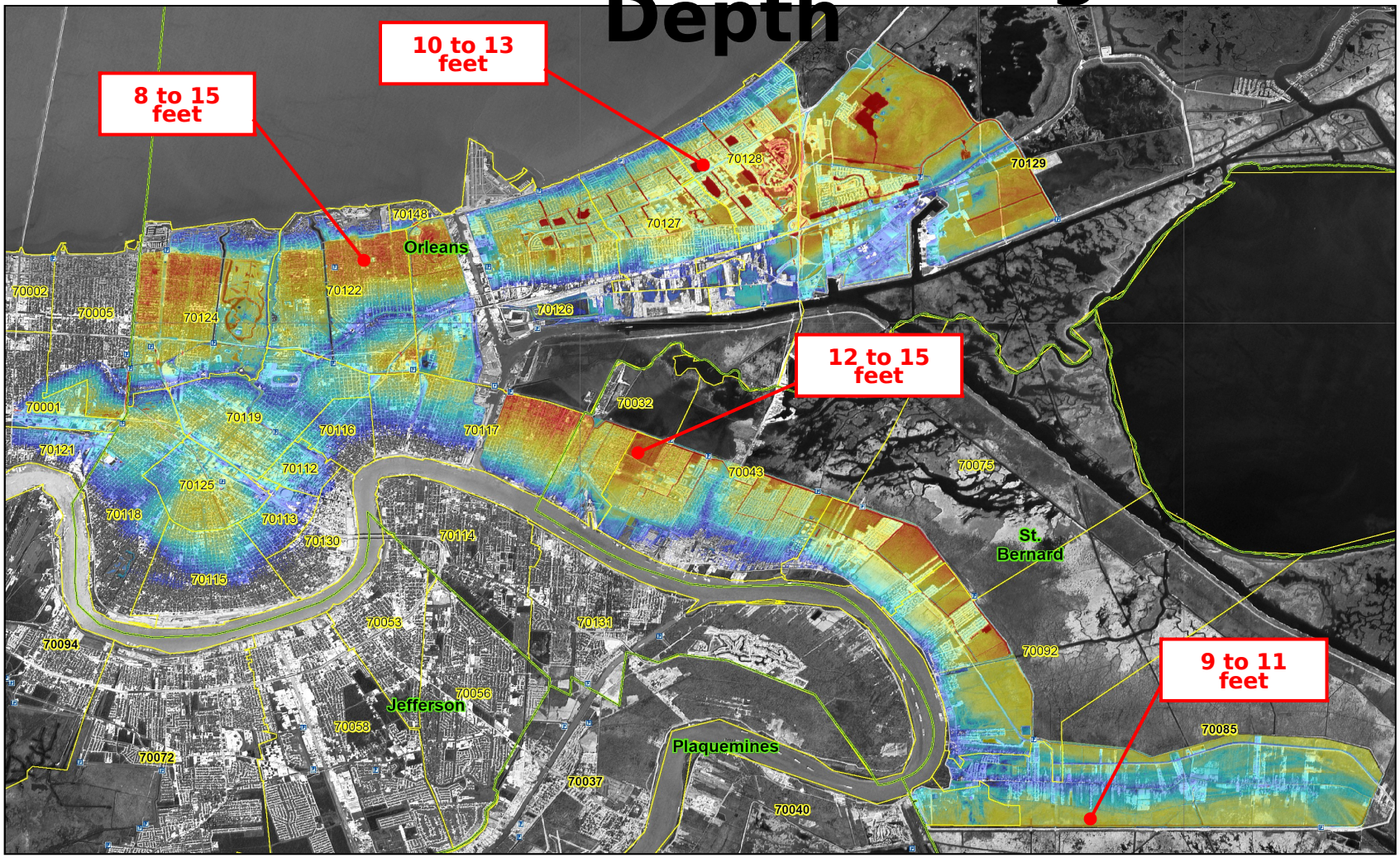
- Protection and Restoration Office (PRO)
  - *A review of upcoming unrestricted projects to be offered by the PRO over the next couple of years.*
- Hurricane Protection Office (HPO)
  - *A review of upcoming unrestricted projects to be offered by the HPO over the next couple of years.*
- Design-Build Institute of America (DBIA)
  - *Design-Build Contract Agreements*
  - *Joint Venture Agreements*
  - *Prime/Sub Relationships*

US Army Corps of Engineers®

Existing New Orleans Area Hurricane Protection

US Army Corps of Engineers®

New Orleans Maximum Flooding Depth



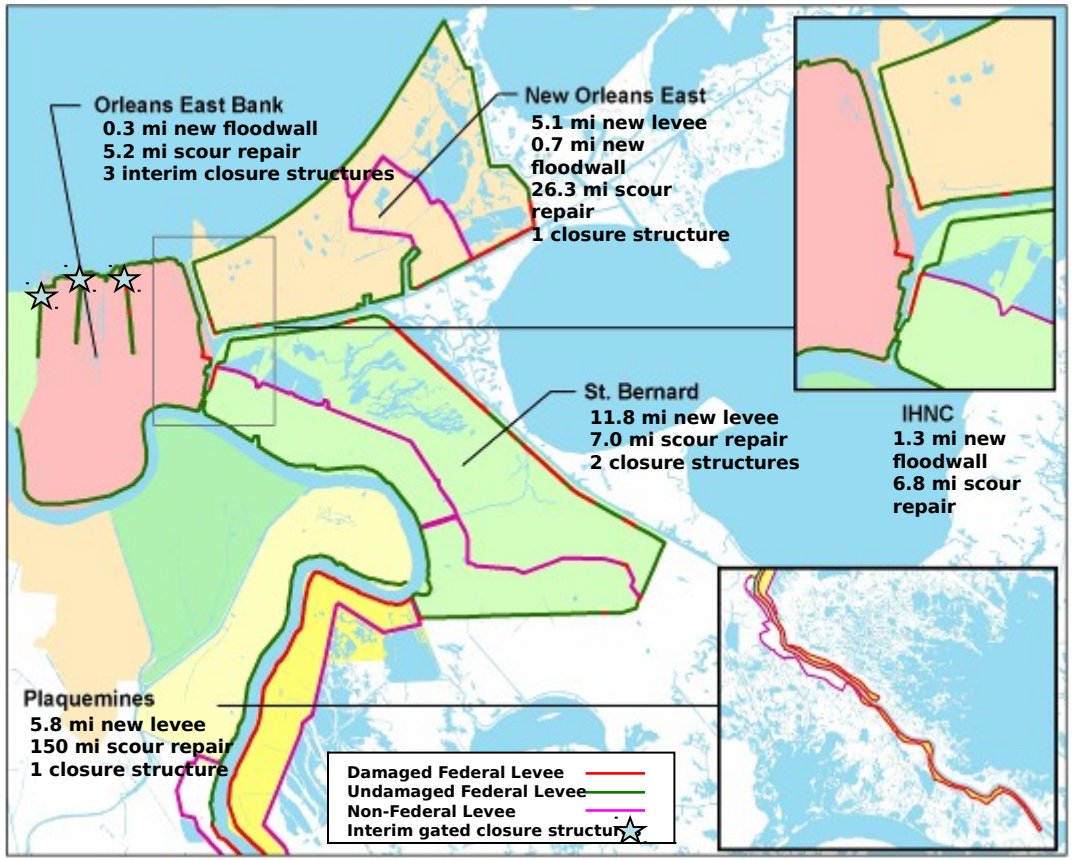
Southeast Louisiana Hurricane Protection System

US Army Corps of Engineers®

	Status
• **Repair:**	
– Return pre-Katrina protection to hurricane-damaged components by 1 June 2006	*Complete*
• **Restore:**	
– Restore undamaged levees/floodwalls to originally authorized heights by 1 Sep 2007	Underway
– Correct Floodwall Deficiencies	Underway
• **Complete:**	
– Accelerated completion of unconstructed portions of authorized projects by Sep 2007	Underway
• **Improve:**	
– Make improvements to optimize the performance of the existing system	Underway
• **Certify:**	
– Raise system to provide 100 year level of protection	Underway
• **Evaluate Higher Levels of Protection:**	
– Louisiana Coastal Protection and Restoration Report - preliminary report due July 2006, final December 2007	Evaluating

US Army Corps of Engineers®

Hurricane Protection System Repair Summary: Phase 1



Protection Restored Schedule

- Restore pre-Katrina protection by 1 Jun 06
- 100% complete towards pre-Katrina Protection Restored
- All construction complete end of November 06

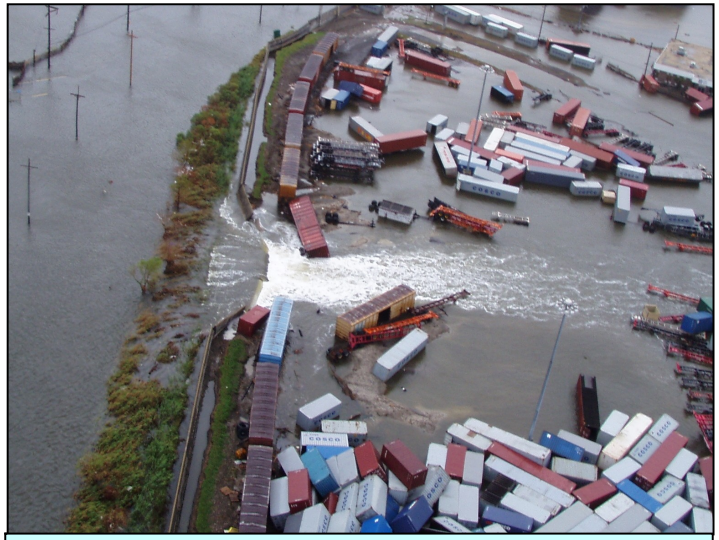
Program Facts

- Repaired system
  - 2.3 mi new floodwall
  - 22.7 mi new levee
  - 195.3 mi scour repair (98 mi MRL completed 17 Mar)
  - 3 interim gated closure structures (IGCS)
  - 4 closure structure repairs
- Fully funded at $800.5M
- Construction
  - 59 projects by 26 Contractors
  - 90% of work by local contractors - 38% by HZ/8(a)
  - $557M in construction activity
- Supply
  - Two supply contracts – clay and temporary pumps
  - 1,566,000 cy of clay supplied to date @ 47.1M
  - 34 IGCS pumps purchased @ $35.3M
- Real Estate
  - 894 acres commandeered
  - 404 ownerships anticipated
  - $63M anticipated property value

US Army Corps of Engineers®

Phase 1 Repairs

Lower Ninth Ward Breach



France Road to Benefit St.

US Army Corps of Engineers®

Phase 1 Repairs

East Back Levee to CSX RR

17th St. Canal Closure

US Army Corps of Engineers®

Hurricane Protection System Acquisition Plan

PROJECT	ACQUISITION METHOD	TOTAL PROGRAM $$
Levees, Floodwalls, Armoring	Design – Bid – Build Maximize SB Participation	**$3.8 B**
Existing Pump Stations	Design – Bid – Build Maximize SB Participation	**$320 M**
(Repair)		($70 M)
(Storm Proof)		($250 M)
Perm. Pump Stations	**Design – Build**	**$530 M**
	Unrestricted	
Navigable Floodgates	**Design – Build**	**$350 M**
	Unrestricted	

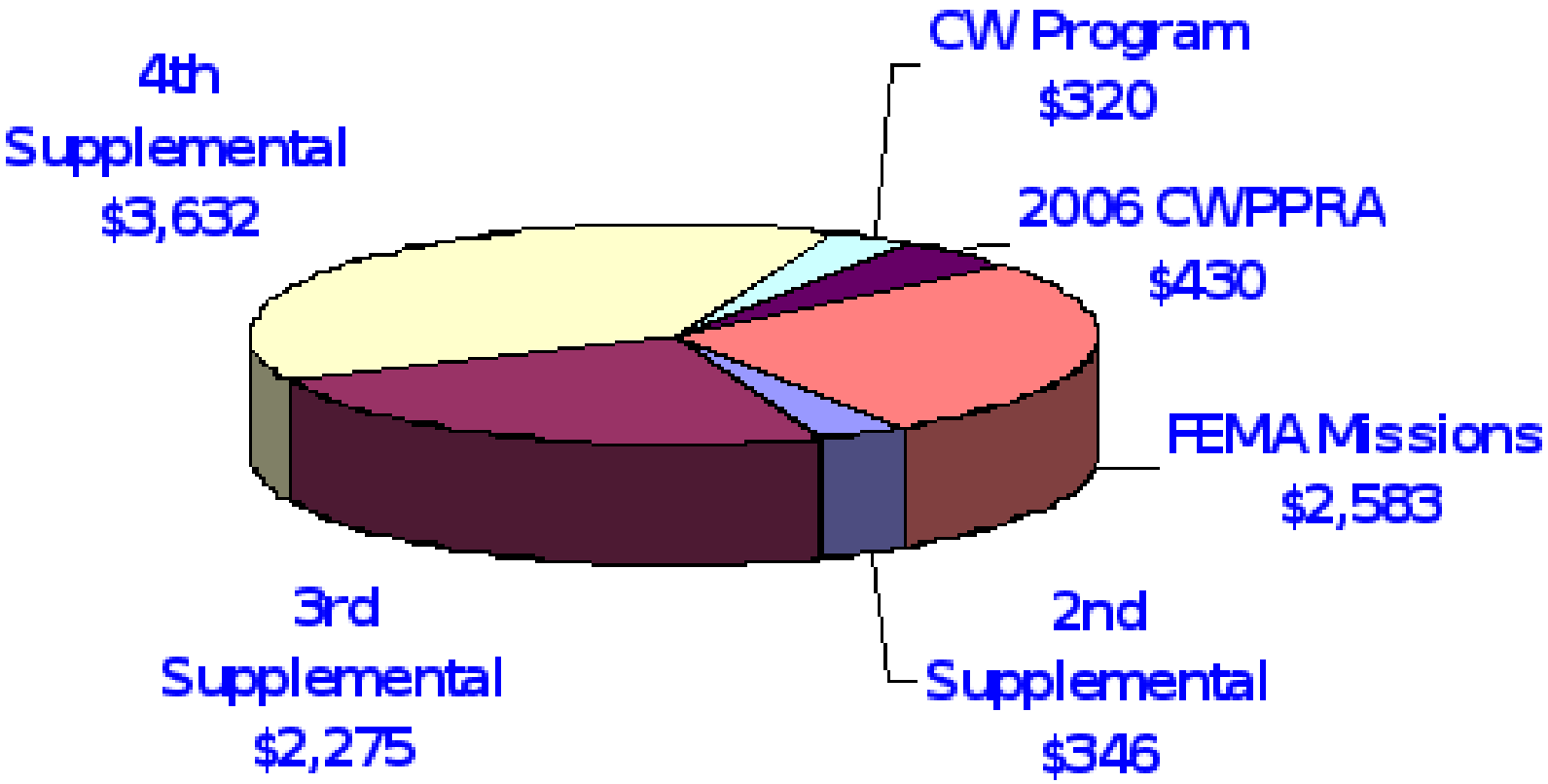
US Army Corps of Engineers®

Hurricane Protection System Acquisition Plan

PROJECT	CONTRACT ACTIONS	
	Small Business	Unrestricted
Levees, Floodwalls, Armoring	105	94
Existing Pump Stations (Repair and Storm Proofing)	15	3
Perm. Pump Stations	0	1
Navigable Floodgates	0	2
SELA	6	4

Federal Funds Available for FY 06
($ Millions)

US Army Corps of Engineers®



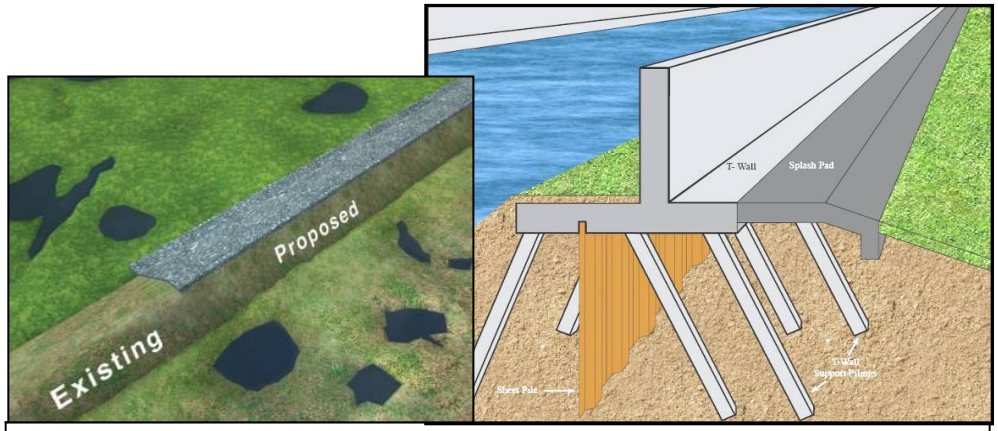
US Army Corps of Engineers®

Hurricane Protection Office

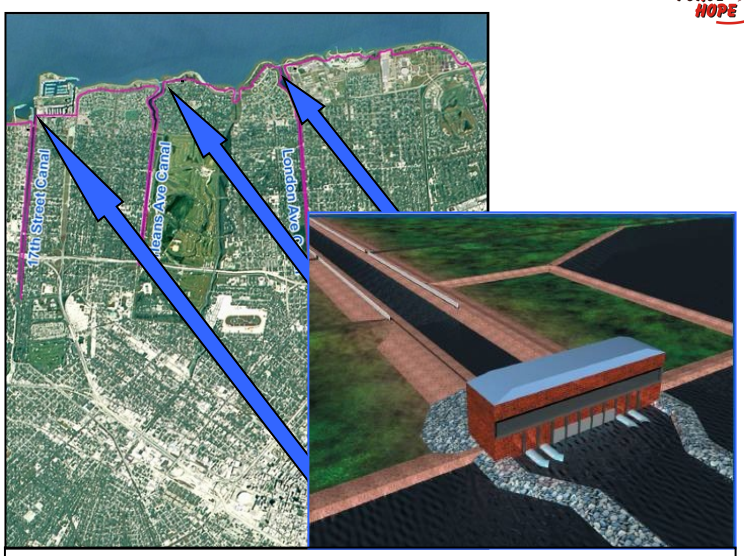
- Teamwork is Essential
- What Are We Doing?
  - Reaching Back into the Depths of the Corps
  - Considering Different Contractual Tools
  - Relying on Contractors for Construction Management and Quality Control
  - Well Known Firms Brought Onboard
- What is expected of you?

Hurricane Protection Office

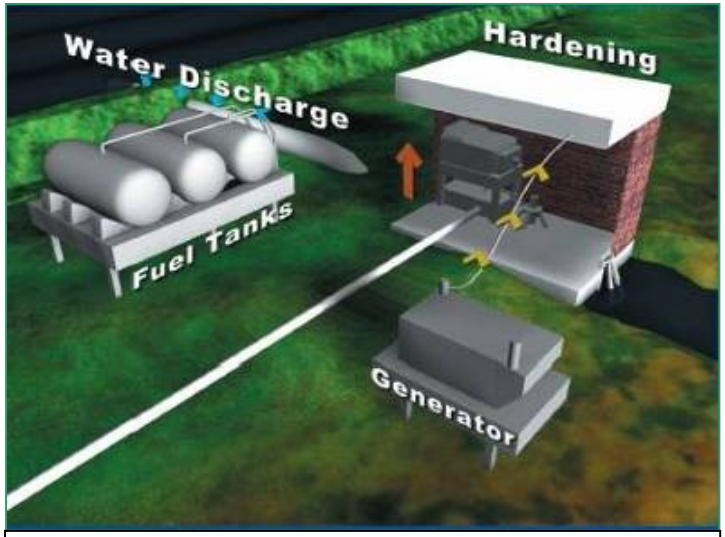
US Army Corps of Engineers®



Levees, Floodwalls, Armoring



Permanent Pump Stations



Existing Pump Stations

Navigable Floodgates